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2008

# Homeland Security Education: The Current State and The Naval Postgraduate School, Center for Homeland Defense and Security (presentation)



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# Homeland Security Education: The Current State

and

## The Naval Postgraduate School, Center for Homeland Defense and Security

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Homeland  
Security



## Homeland Security Education - Background

- Academia has a history of supporting national efforts
  - WWII – Manhattan Project
  - Cold War – National Security Affairs, Area Studies, Language Programs
- No HLS/HLD Academic Programs Prior to 9/11
- New agencies and policies spawned academic requirements and academic action
- Department of Homeland Security
  - DHS National Preparedness Directorate, FEMA (formerly Grants and Training) opted for the Naval Postgraduate School
  - Research Centers of Excellence Program
  - Homeland Security Academy and numerous new efforts by CLO
- Department of Defense (US Northern Command)
  - University of Colorado graduate level certificate program
  - Developed the Homeland Security/Defense Education Consortium or HSDEC





## Homeland Security Education Survey Project

- Conducted on behalf of HSDEC, Feb 2007
- Homeland Security Programs: 114 Degree Programs, 101 Certificate/Other Programs, and Growing!
  - Associates Degrees: 26 (A.A.: 0; A.S.: 26)
    - Most Common Courses: EM (12 of 26); HLS (7 of 26)
  - Baccalaureate Degrees: 36 (B.A.: 7; B.S.: 26; Applied Studies: 3)
    - Common Required Courses: Emer. Planning (12 of 36); HLS (8 of 36)
  - Masters Degrees: 49 (M.A.: 14; M.S.: 30; Other: 3 MPA/MPS/MBA)
    - Common Required Courses: HLS (8 of 49); EM (8 of 49)
  - PhD Degrees: 3 – Varied Concentrations, Individually Tailored





## Homeland Security Education Survey Project - Findings

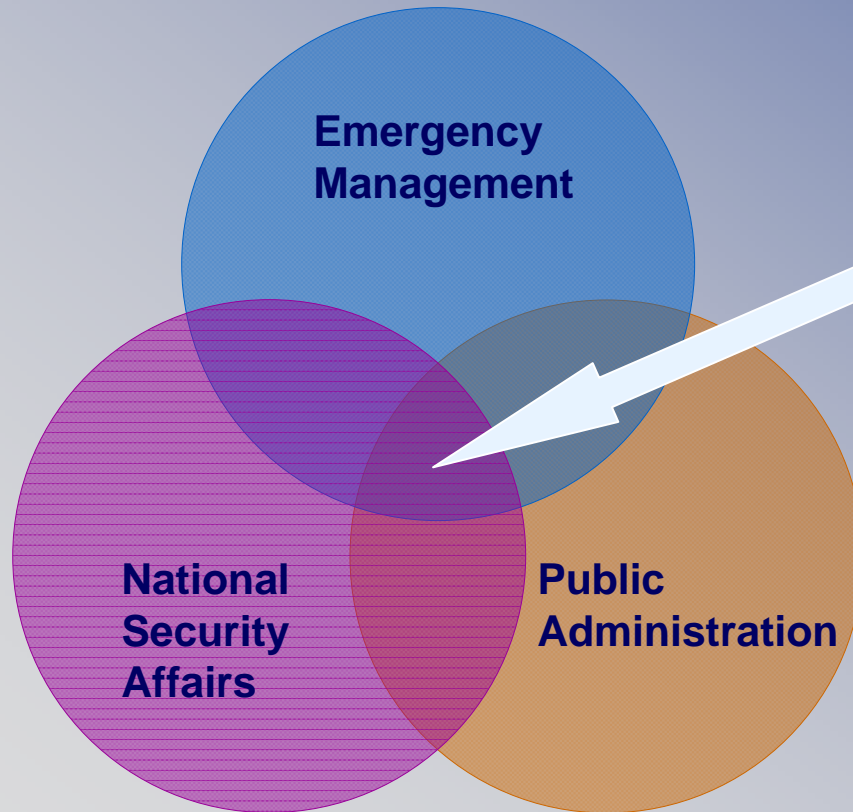
- Degree name not necessarily indicative of underlying courses
- Programs that pre-existed 9/11 have subsequently been renamed homeland security (Nexus to homeland security is suspect in some cases)
- Progress
  - The field is becoming recognized as a legitimate area of study
  - Homeland security academic field is quickly growing
  - Academic collaboration is starting to occur with frequency
- Challenges
  - Accreditation (Coming soon through the HSDECA)
  - Program standards
  - Quality of instruction
  - Qualified Faculty







## Homeland Security/Defense From an Academic Perspective



Multiple Disciplines:

- Law Enforcement
- Health
- Intelligence
- International Relations
- Engineering
- Social Sciences
- History
- Psychology
- Business

Etc, etc, etc....





# Center for Homeland Defense and Security

The Nation's Homeland Security Educator

U.S. Department of Homeland Security ✦ Naval Postgraduate School

## Homeland Security/Defense Education Consortium Recommendations

Legal/Ethical  
Considerations



Asymmetric  
Thinking



Balancing Civil  
Liberties/Privacy



Interagency  
Communications/  
Cooperation



**Current and Emerging Threats**

**Context and Organizations**

**Policies, Strategies, and Legal Issues**

**Processes and Management**

Practical  
Application

*Practicum*

*Critical  
Thinking*

*Other Areas*

Leadership

M&S

Culture

Statistics

Mental Health



Homeland  
Security

[www.chds.us](http://www.chds.us)



## NPS/CHDS Curriculum

### ● Semester 1

- Intro to HLS; Asymmetric Conflict

### ● Semester 2

- Technology in HLS; Intelligence (Organization and Policy Challenges)

### ● Semester 3

- Critical Infrastructure Protection; Special Topics (i.e. Border Security, Public Health)

### ● Semester 4

- Multidisciplinary Approaches to HLS; Comparative Government for HLS

### ● Semester 5

- Planning and Budgeting for HLS; Psychology of Fear Management and Terrorism

### ● Semester 6

- Knowledge Into Practice (Capstone); Thesis Research







## Sample Courses Nationwide

Certificates – Typically 4-6 Courses;

Masters Degree – Typically 12 Courses

### Courses:

- Overview of Homeland Security/Defense
- Changing Nature of National Security
- Critical Infrastructure Protection
- Emergency/ Disaster Planning
- American Government and Policy Making
- HLS Civil Society and Human Rights
- Public-Private HLS Partnerships (Business)
- Intergovernmental/ Interagency Relations
- Fundamentals of Terrorism
- Understanding the Threat
- Criminal Justice/Legal Issues
- Risk Assessment and Analysis





## Sample Programs

- **Univ. of Colorado/Col Springs, Graduate Level Certificate, residence/DL (4 courses)**  
(and forthcoming MA)
  - Introduction to Homeland Defense
  - Interagency Operations
  - Understanding the Threat
  - Critical Infrastructure Protection
- **East Carolina Univ. Graduate Certificate in Security Studies, DL (5 courses)**
  - Intergovernmental/Interagency Relations
  - National Security                      Criminal Justice
  - Global Terrorism                      Disaster Planning
  - Environmental Health
- **Univ. of Massachusetts, Graduate Certificate in Homeland Security, (4 Courses)**
  - Criminal Justice focus; designed for personnel public safety, security management, and law enforcement; executives in corporations responsible for overseeing in-house security programs





## Are There Jobs?

# YES!

### DIRECTOR OF HOMELAND SECURITY, CITY OF PLANO, TEXAS

(Starting Salary from the mid \$70's to 110,000, D.O.E.) The Director of Homeland Security (DHS) is a new position created to emphasize the critical nature of the community's security needs...will direct all aspects of the City's emergency preparedness and response efforts...work cooperatively with the Chiefs of Plano's Police and Fire Departments, other city officials, and agencies at local, state, federal levels....maintain/ revise the City's Emergency Operations and Hazard Mitigation Action Plans...coordinate training and readiness...manage the Emergency Operations Center...coordinate response to actual emergencies and disasters.... direct a staff of four and manage an Operating Budget of \$360,000.





## Are There Jobs?

	Number of employed (*)	Projected employment (*)	Change Number (*)	Change Percent (*)	Number of employed (**)
Industry	2002	2012	2002- 2012	2002- 2012	2003
Emergency Management Specialists	10,948	14,040	3,092	28.2	9,800

**Source of Information:** US Department of Labor  
[www.dol.gov](http://www.dol.gov) (March, 2005)





## Are There Jobs?

The Center for Domestic Preparedness in Anniston, Alabama (Office for Domestic Preparedness, Department of Homeland Security) estimates that “there are more than **11 million** emergency responders and other personnel in this country that would need training to deal with terrorist incidents.”

RECENT DENVER POST ARTICLE - Northrop Grumman, the aerospace and defense conglomerate, is expected to expand its Aurora campus by hiring **350 employees** to work on about 30 homeland security-related contracts. Annual salaries will average \$80,000.







## Are There Jobs?

Per *Occupational Outlook Quarterly*, it is one of the fastest growing areas with jobs in:

- Business Continuity, Transportation
- Critical Infrastructure Protection, Health Care
- Intelligence Analysis
- Cyber Security
- Border Occupations
- Banks, Physical Security
- Utilities, Technology
- And...every level of government





## Center for Homeland Defense and Security - Mission

*To strengthen the national security of the United States by providing graduate level educational programs that meet the immediate and long-term leadership needs of organizations responsible for Homeland Defense and Security*





## CHDS Programs

### ● Masters Degree

- Primarily State and Local Students
- On “Scholarship” from DHS (Grants and Training)
- 64 students (4 cohorts of 16) Each Year (from applicant pool of 2600 per class)
- Hybrid Program (in residence followed by DL)
- 30 Faculty/50 Staff
- National Capital Region Cohort





## CHDS Programs (cont.)

### ● Executive Education – In-Residence

- Began Aug. 2006
- 4 one week in residence sessions over 12 months
- Fills gap between MET and Masters program

### ● Mobile Education Teams

- Provide seminars to strengthen US capability for HLS
- Primary focus on governors, mayors and senior HLS staffs
- 2000+ elected and senior leaders have attended





## CHDS Programs (cont.)

### ● Homeland Security Digital Library

- Nation's premier collection of HLS material
- Content gathering and summation teams

### ● Homeland Security Affairs Journal ([www.hsaj.org](http://www.hsaj.org))

- Open Access electronic journal
- Focus on policy, strategy, technological applications and best practices

### ● University and Agency Partnership







## University and Agency Partnership Initiative

- Support the nationwide development of Homeland Security education programs at all levels
- Leverage DHS investment in CHDS programs- create a “multiplier effect”
  - Vastly increase the number of students receiving HS education
  - Share all material developed for the CHDS Masters Program and library
  - Develop a community of practice through on-line forum
  - Conduct national level conferences
- Develop a cadre of scholars and senior policy-makers in all sectors dedicated to the establishment of HS as an academic discipline
- Identify and address critical research needs throughout the Homeland Security and Homeland Defense Communities





# Center for Homeland Defense and Security

The Nation's Homeland Security Educator

U.S. Department of Homeland Security ✧ Naval Postgraduate School

## Partners (currently 100+ members)

- University of Connecticut
- Long Island University
- University of Washington
- University of New Hampshire
- University of Mississippi
- Duke University
- Chaminade
- Virginia Tech
- University of Colorado, Colorado Springs
- University of Maryland
- NYU
- Auburn
- University of Alabama
- Purdue
- Eastern Carolina
- US Coast Guard Academy
- Homeland Security/Defense Education Consortium
- Penn State
- Western Carolina
- LSU
- Eastern Kentucky University
- University of Akron
- FBI Academy
- Ohio State University
- University of Maine
- US Army War College
- University of Denver
- Massachusetts and California Maritime Academies



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## Conclusions

- Academia and government have undertaken significant effort to educate the workforce for today's political environment
- Homeland Security education is growing and gaining legitimacy
- HSDEC and CHDS have taken lead roles in academic and workforce development
- The multidisciplinary nature of the field is recognized and reflected in academic programs
- There are lots of choices for education at every level
- Jobs are there!





# *Questions?*

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